Name of Work:-Providing Additional works to Nagenahalli Govt School in chowdeshwari ward no-02 of yelahanka Sub division

EMB

Name of Work:-Providing Additional works to Nagenahalli Govt School in chowdeshwari ward no-02 of yelahanka Sub division

PRE-MEASUREMENT

"FIRST AND FINAL BILL"

ward no – 02 of Yelahanka Sub-

Name of Work:-Providing Additional works to Nagenahalli Govt School in chowdeshwari ward no-02 of yelahanka Sub division

(1)

Detailed Measurements

Measurement Recorded On: 13 | 02 | 2023

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
1	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineer-in-charge.						
	Nagenahalli School						
	Old School	2	8.00	0.30	3.20	15.36	
		2	6.00	0.30	3.20	11.52	
		2	4.00	0.30	3.20	7.68	
		2	2.30	0.30	3.20	4.42	
		2	5.00	0.30	3.20	9.60	
		2	4.30	0.30	3.20	8.26	
					Present Qty	**56.83**	**Cum**

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

ntractor

Assistant Engineer

Assistant Exec. Engineer

me of Work:-Providing Additional works to Nagenahalli Govt School in chowdeshwari ward no-02 of yelahanka Sub division (3)

Detailed Measurements

surement Recorded On: 16/02/2023

tem No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
3	Dismantling stone slab flooring laid in cement mortar including tacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineer-in-charge.						
	Nagenahalli School						
	Old School	1	8.00	6.00		48.00	
		1	5.00	4.30		21.50	
					Present Qty	**69.50**	**Sqm**

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

ctor

Assistant Engineer

Assistant Exec. Engineer

ame of Work:-Providing Additional works to Nagenahalli Govt School in chowdeshwari ward no-02 of yelahanka Sub division (4)

Detailed Measurements

asurement Recorded On: 13/02/2023

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
4	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material to the appropriate disposal area as per direction of Engineer-in-charge.						
	Nagenahalli School						
	Old School	1	8.50	6.50	0.15	8.29	
		1	5.50	4.55	0.15	3.75	
					Present Qty	**12.04**	**Cum**

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

actor

Assistant Engineer

Assistant Exec. Engineer

ame of Work:-Providing Additional works to Nagenahalli Govt School in chowdeshwari ward no-02 of yelahanka Sub division (5)

Detailed Measurements

asurement Recorded On: 31/05/2023

Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
5	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work .								
	Nagenahalli School								
	For Cobble Stone								
	Part-A	1	7.00	1.60	1.20	1.40	0.40	3.92	
	Part-B [Area Of Triangle] 0.5*B*H B=1.4 H=10.5	0.5*1.4*10.5					0.35	2.57	
	Part-C Trapezoid A=22.5,B=16.6 H=14.4	[[22.5+16.6]*14.4]/2					0.35	98.78	
	Part-D Trapezoid A=24.7,B=18 H=15	[[24.7+18]*15/2					0.35	112.35	
	Part-E Trapezoid A=18.7,B=16 H=8	[[18.7+16*8/2					0.40	55.68	
	Part-F Trapezoid A=4.1 B=6.2 H=2.6	[[4.1+6.2*2.6/2					0.35	4.69	
	Deduct Tree	-3	1.40	1.30	1.30	1.30	0.35	-1.91	
	Deduct Chamber	-1	0.90	0.90	0.90	0.90	0.35	-0.28	
	For Concrete Area								
	Building Right Side								
		1	5.00	1.70	1.90	1.80	0.35	3.15	
		1	5.00	1.90	2.40	2.15	0.35	3.76	
		1	4.20	2.60	3.20	2.90	0.35	4.26	
	Deduct	-1	0.25	0.25	0.25	0.25	0.35	-0.02	
	Continue								
		1	5.00	1.70	3.00	2.35	0.35	4.11	
		1	4.80	3.00	4.00	3.50	0.35	5.88	
	Deduct manhole	-1	0.60	0.60	0.60	0.60	0.35	-0.13	
	Deduct Chamber	-3	0.45	0.45	0.45	0.45	0.35	-0.21	
	Building Back Side								
		1	15.50	1.00	1.00	1.00	0.35	5.43	
		1	10.80	0.80	0.80	0.80	0.35	3.02	
	Deduct Columns	-6	0.30	0.12	0.12	0.12	0.35	-0.08	
							Present Qty	**304.98**	**Cum**

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

actor

Assistant Engineer

Assistant Exec. Engineer

Name of Work:-Providing Additional works to Nagenahalli Govt School in chowdeshwari ward no-02 of yelahanka Sub division (6)

Detailed Measurements

Measurement Recorded On: 17/06/2023

Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
6	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement &								
	Nagenahalli School								
	For Cobble Stone								
	Part-A	1	7.00	1.60	1.20	1.40	0.175	1.72	
	Part-B [Area Of Triangle] 0.5*B*H B=1.4 H=10.5	0.5*1.4*10.5					0.175	1.29	
	Part-C Trapezoid A=22.5,B=16.6 H=14.4	[[22.5+16.6]*14.4]/2					0.175	49.39	
	Part-D Trapezoid A=24.7,B=18 H=15	[[24.7+18]*15/2					0.175	56.18	
	Part-E Trapezoid A=18.7,B=16 H=8	[[18.7+16*8/2					0.175	24.36	
	Part-F Trapezoid A=4.1 B=6.2 H=2.6	[[4.1+6.2*2.6/2					0.175	2.34	
	Deduct Tree	-3	1.40	1.30	1.30	1.30	0.175	-0.96	
	Deduct Chamber	-1	0.90	0.90	0.90	0.90	0.175	-0.14	
	For Concrete Area								
	Building Right Side								
		1	5.00	1.70	1.90	1.80	0.175	1.58	
		1	5.00	1.90	2.40	2.15	0.175	1.88	
		1	4.20	2.60	3.20	2.90	0.175	2.13	
	Deduct	-1	0.25	0.25	0.25	0.25	0.175	-0.01	
	Continue								
		1	5.00	1.70	3.00	2.35	0.175	2.06	
		1	4.80	3.00	4.00	3.50	0.175	2.94	
	Deduct manhole	-1	0.60	0.60	0.60	0.60	0.175	-0.06	
	Deduct Chamber	-3	0.45	0.45	0.45	0.45	0.175	-0.11	
	Building Back Side								
		1	15.50	1.00	1.00	1.00	0.150	2.33	
		1	10.80	0.80	0.80	0.80	0.150	1.30	
	Deduct Columns	-6	0.30	0.12	0.12	0.12	0.150	-0.03	
	Steps								
	Thread	1	2.50	0.50	0.50	0.50	0.15	0.19	
	Rise	1	2.50	0.10	0.10	0.10	0.15	0.04	
	Ramp								
	Ps No-79	1	2.10	1.10	1.10	1.10	0.15	0.35	
	Ps No-80	1	2.50	0.50	0.50	0.50	0.15	0.19	
	Ps No-81	1	2.50	0.50	0.50	0.50	0.15	0.19	
							Present Qty	**149.11**	**Cum**

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

ractor

Assistant Engineer

Assistant Exec. Engineer

ame of Work:-Providing Additional works to Nagenahalli Govt School in chowdeshwari ward no-02 of yelahanka Sub division (7)

Detailed Measurements

easurement Recorded On: 21/07/2023

em lo	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
7	Providing and laying in Reinforced cement concrete for all Basement & surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates .								
	For Concrete Area								
	Building Right Side								
		1	5.00	1.70	1.90	1.80	0.15	1.35	
		1	5.00	1.90	2.40	2.15	0.15	1.61	
		1	4.20	2.60	3.20	2.90	0.15	1.83	
	Deduct	-1	0.25	0.25	0.25	0.25	0.15	-0.01	
	Continue								
		1	5.00	1.70	3.00	2.35	0.15	1.76	
		1	4.80	3.00	4.00	3.50	0.15	2.52	
	Deduct manhole	-1	0.60	0.60	0.60	0.60	0.15	-0.05	
	Deduct Chamber	-3	0.45	0.45	0.45	0.45	0.15	-0.09	
	Building Back Side								
		1	15.50	1.00	1.00	1.00	0.15	2.33	
		1	10.80	0.80	0.80	0.80	0.15	1.30	
	Deduct Columns	-6	0.30	0.12	0.12	0.12	0.15	-0.03	
	Steps								
	Thread	1	2.50	0.50	0.50	0.50	0.15	0.19	
	Rise	1	2.50	0.10	0.10	0.10	0.15	0.04	
	Ramp								
	Ps No-79	1	2.10	1.10	1.10	1.10	0.15	0.35	
	Ps No-80	1	2.50	0.50	0.50	0.50	0.15	0.19	
	Ps No-81	1	2.50	0.50	0.50	0.50	0.15	0.19	
							Present Qty	**13.45**	**Cum**

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

ractor

Assistant Engineer

Assistant Exec. Engineer

Name of Work:-Providing Additional works to Nagenahalli Govt School in chowdeshwari ward no-02 of yelahanka Sub division

(8)

Detailed Measurements

Measurement Recorded On: 23/06/2023

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
13	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.						
	Nagenahalli School						
	Head room	2	5.10		3.00	30.60	
		2	3.00		3.00	18.00	
	Deduct Door	-1	1.15		2.70	-3.11	
					Present Qty	**45.50**	**Sqm**

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

ntractor

Assistant Engineer

Assistant Exec. Engineer

Name of Work:-Providing Additional works to Nagenahalli Govt School in chowdeshwari ward no-02 of yelahanka Sub division

(9)

Detailed Measurements

Measurement Recorded On: 28/06/2023

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
14	Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.						
	Nagenahalli School						
	Head room						
		4	5.10		3.00	61.20	
		4	3.00		3.00	36.00	
	Deduct Door						
		-2	1.15		2.70	-6.21	
					Present Qty	**90.99**	**Sqm**

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

actor

Assistant Engineer

Assistant Exec. Engineer

Name of Work:-Providing Additional works to Nagenahalli Govt School in chowdeshwari ward no-02 of yelahanka Sub division (10)

Detailed Measurements

Measurement Recorded On: 05/8/2023

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
22	Providing, supplying to work site,Single Phase Submersible Pump Sets of 100mm dia (4 inch) suitable for well confirming to IS 8034-2000 specifications,with testing of as per instructions of engineer incharge of work and latest amendments. 1.50 HP/1.1KW 7 STG						
	Nagenahalli School						
		1				1.00	
					Present Qty	**1.00**	**Each**

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Contractor

Assistant Engineer

Name of Work:-Providing Additional works to Nagenahalli Govt School in chowdeshwari ward no-02 of yelahanka Sub division (11)

Detailed Measurements

Measurement Recorded On: 20/02/2023

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
23	Cost of Haulage Excluding Loading and Unloading Taking output 25 t load and lead 10 km = 250 t.km						
	Qty frm Item No-1		56.83	2.00		113.66	
	Qty frm Item No-2		25.04	2.00		50.08	
	Qty frm Item No-4		12.04	2.00		24.08	
	Qty frm Item No-5		304.98	1.28		390.37	
					Present Qty	**578.20**	**T.km**

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

MEASUREMENT

ntractor

Assistant Engineer

Assistant Exec. Engineer

Name of Work:-Providing Additional works to Nagenahalli Govt School in chowdeshwari ward no-02 of yelahanka Sub division

MEASUREMENT

"FIRST AND FINAL BILL"

Name of Work:-Providing Additional works to Nagenahalli Govt School in chowdeshwari ward no-02 of yelahanka Sub division

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
1	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineer-in-charge.								
	Vide Premeasurement page no. 1					56.83			
					Present Qty	**56.83**	**Cum**	**867.90**	**49324.49**
2	Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineerin-charge.								
	Vide Premeasurement page no. 2					25.04			
					Present Qty	**25.04**	**Cum**	**1419.00**	**35531.76**
3	Dismantling stone slab flooring laid in cement mortar including tacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineer-in-charge.								
	Vide Premeasurement page no. 3					69.50			
					Present Qty	**69.50**	**Cum**	**1529.00**	**106265.50**
4	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material to the appropriate disposal area as per direction of Engineer-in-charge.								
	Vide Premeasurement page no. 4					12.04			
					Present Qty	**12.04**	**Cum**	**2043.80**	**24609.91**
5	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work .								
	Vide Premeasurement page no. 5					304.98			
					Present Qty	**304.98**	**Cum**	**71.50**	**21806.03**
6	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates.								
	Vide Premeasurement page no. 6					149.11			

ractor

Asst.Engineer

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn.)

Asst Exec Engineer

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
					Present Qty	**149.11**	**Cum**	**6109.40**	**910991.57**
7	Providing and laying in Reinforced cement concrete for all Basement & surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates .								
	Vide Premeasurement page no. 7					13.45			
					Present Qty	**13.45**	**Cum**	**6564.80**	**88313.63**
13	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.								
	Vide Premeasurement page no. 8					45.50			
					Present Qty	**45.50**	**Sqm**	**1167.10**	**53097.21**
4	Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing								
	Vide Premeasurement page no. 9					90.99			
					Present Qty	**90.99**	**Sqm**	**328.90**	**29926.61**
2	Providing, supplying to work site,Single Phase Submersible Pump Sets of 100mm dia (4 inch) suitable for well confirming to IS 8034-2000 specifications,with testing of as per instructions of engineer incharge of work and latest amendments. 1.50 HP/1.1KW								
	Vide Premeasurement page no. 10					1.00			
					Present Qty	**1.00**	**Each**	**15785.00**	**15785.00**
3	Cost of Haulage Excluding Loading and Unloading Taking output 25 t load and lead 10 km = 250 t.km								
	Vide Premeasurement page no. 11					578.20			
					Present Qty	**578.20**	**t.km**	**44.00**	**25440.81**

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Asst.Engineer

ame of Work:-Providing Additional works to Nagenahalli Govt School in chowdeshwari ward no-02 of yelahanka Sub division

(12)

Detailed Measurements

easurement Recorded On: 18/10/2023

m o	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit	Rate	Amount
	Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per m2 over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level , including cost of materials, labour and Usage charges of machinery complete as per specifications.										
	Nagenahalli School										
	For Cobble Stone										
	Part-A	1	7.00	1.60	1.20	1.40		9.80			
	Part-B [Area Of Triangle] 0.5*B*H B=1.4 H=10.5		0.5*1.4*10.5					7.35			
	Part-C Trapezoid A=22.5,B=16.6		[[22.5+16.6]*14.4]/2					282.24			
	Part-D Trapezoid A=24.7,B=18 H=15		[[24.7+18]*15/2					321.00			
	Part-E Trapezoid A=18.7,B=16 H=8		[[18.7+16*8/2					139.20			
	Part-F Trapezoid A=4.1 B=6.2 H=2.6		[[4.1+6.2*2.6/2					13.39			
	Deduct Tree	-3	1.40	1.30	1.30	1.30		-5.46			
	Deduct Chamber	-1	0.90	0.90	0.90	0.90		-0.81			
							Present Qty	766.71	Sqm	1195.70	916755.15

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

ctor

Assistant Engineer

Assistant Exec. Engineer

Name of Work:-Providing Additional works to Nagenahalli Govt School in chowdeshwari ward no-02 of yelahanka Sub division

(13)

Detailed Measurements

Measurement Recorded On: 19/10/2023

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
9	Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete as directed by the Engineer in Charge of the work.								
	Nagenahalli School								
	Southern Side								
	Ch-0.00m to 30.00m	1	30.00			30.00			
	Ch-30.00m to 31.00m	1	1.00			1.00			
	Westrern Side								
	Ch-0.00m to 9.40m	1	9.40			9.40			
	Ch-0.00m to 1.00m	1	1.00			1.00			
	Northern Side								
	Ch-0.00m to 19.30m	1	19.30			19.30			
						60.70			
					Present Qty	**135.00**	**Nos**	**507.00**	**68445.00**

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

ractor

Assistant Engineer

Assistant Exec. Engineer

Name of Work:-Providing Additional works to Nagenahalli Govt School in chowdeshwari ward no-02 of yelahanka Sub division

14

Detailed Measurements

Measurement Recorded On: 20/10/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
10	Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces.								
	Nagenahalli School								
	Southern Side								
	Ch-0.00m to 30.00m	1	30.00		0.35	10.50			
	Ch-30.00m to 31.00m	1	1.00		0.35	0.35			
	Westrern Side								
	Ch-0.00m to 9.40m	1	9.40		0.35	3.29			
	Ch-0.00m to 1.00m	1	1.00		0.35	0.35			
	Northern Side								
	Ch-0.00m to 19.30m	1	19.30		0.35	6.76			
					Present Qty	**21.25**	**Sqm**	**93.50**	**1986.41**

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

ntractor

Assistant Engineer

Assistant Exec. Engineer

Name of Work:-Providing Additional works to Nagenahalli Govt School in chowdeshwari ward no-02 of yelahanka Sub division

(15)

Detailed Measurements

Measurement Recorded On: 21/10/2023

Sl No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
1	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. ** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or equivalent.								
	Nagenahalli School								
	Steps Granite								
	Thread	24	1.45		0.30	10.44			
	Rise	24	1.45		0.125	4.35			
	Landing	2	1.00		3.00	6.00			
	Skirting	24	0.30		0.10	0.72			
		24	0.125		0.10	0.30			
						Present Qty	**21.81**	**Sqm**	**3157.00**	**68854.17**

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Contractor

Assistant Engineer

Name of Work:-Providing Additional works to Nagenahalli Govt School in chowdeshwari ward no-02 of yelahanka Sub division

(16)

Detailed Measurements

Measurement Recorded On: 21/10/2023

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
12	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. M.S. tube including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineerin- Charge.								
	Nagenahalli School								
	Steps railings	4	4.00		1.05	16.80			
	Compound Wall								
	Southern Side								
	Column To Column								
	From Temple								
		1	6.80		0.45	3.06			
		1	2.80		0.45	1.26			
		1	3.65		0.45	1.64			
		1	3.60		0.45	1.62			
		1	3.60		0.45	1.62			
		1	3.65		0.45	1.64			
		1	3.65		0.45	1.64			
		1	3.65		0.45	1.64			
		1	3.10		0.45	1.40			
	Gate Gap								
		1	3.00		0.45	1.35			
		1	3.65		0.45	1.64			
		1	3.65		0.45	1.64			
	Eastern Side								
	Column To Column								
		1	3.60		0.45	1.62			
		1	3.66		0.45	1.65			
		1	3.66		0.45	1.65			
		1	2.40		0.45	1.08			
	Northern Side								
	Column To Column								
		1	5.35		0.45	2.41			
		1	3.65		0.45	1.64			
		1	3.60		0.45	1.62			
		1	3.65		0.45	1.64			
		1	3.60		0.45	1.62			
		1	3.60		0.45	1.62			
		1	3.60		0.45	1.62			
		1	3.65		0.45	1.64			
		1	3.60		0.45	1.62			
		1	3.65		0.45	1.64			
		1	3.65		0.45	1.64			

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Yelahanka Zone)
Assistant Exec. Engineer

Factor

em No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
		1	2.20		0.45	0.99			
	Western Side								
	Column To Column								
		1	3.65		0.45	1.64			
		1	3.65		0.45	1.64			
		1	3.65		0.45	1.64			
		1	3.60		0.45	1.62			
		1	3.65		0.45	1.64			
		1	3.65		0.45	1.64			
		1	3.30		0.45	1.49			
	1st Floor School Building								
	Safety Grill								
		1	1.40		1.70	2.38			
		1	12.50		1.70	21.25			
		1	14.50		1.70	24.65			
		1	1.50		1.70	2.55			
						124.81			
	Consider 53kg/Sqm					6615.01			
					Present Qty	**6615.01**	**Kgs**	**122.10**	**807692.66**

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Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

ctor

Assistant Engineer

Assistant Exec. Enginee

Name of Work:-Providing Additional works to Nagenahalli Govt School in chowdeshwari ward no-02 of yelahanka Sub division

(18)

Detailed Measurements

Measurement Recorded On: 25/10/2023

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
5	Finishing walls with water proofing cement paint of required shade :New work (Two coats applied @ 4.84 kg/10 m²) to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.								
	Nagenahalli School								
	Head room	4	5.10		3.00	61.20			
		4	3.00		3.00	36.00			
	Deduct Door	-2	1.15		2.70	-6.21			
					Present Qty	90.99	Sqm	72.60	6605.87

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka

tor

Assistant Engineer

Assistant Exec. Engineer

ıme of Work:-Providing Additional works to Nagenahalli Govt School in chowdeshwari ward no-02 of yelahanka Sub division

(19)

Detailed Measurements

urement Recorded On: 26/10/2023

Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Providing & fixing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete as per design drawings (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required as per the direction of Engineer in charge. 0.63 mm thick with zinc coating not less than 275 g/ m^2.								
Nagenahalli School								
Head room	1	5.30		3.20	16.96			
				Present Qty	16.96	**Sqm**	**874.50**	**14831.52**

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

tor

Assistant Engineer

Assistant Exec. Engineer

me of Work:-Providing Additional works to Nagenahalli Govt School in chowdeshwari ward no-02 of yelahanka Sub division

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Detailed Measurements

rement Recorded On: 26/10/2023

n	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	Providing and fixing Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished seamless type tubes including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge..								
	Nagenahalli School				kg/m				
	Head room support	3	3.30		5.42	53.66			
					Present Qty	**53.66**	**Kgs**	**149.60**	**8027.24**

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka. Bangalore

Assistant Engineer

Assistant Exec. Engineer

ıe of Work:-Providing Additional works to Nagenahalli Govt School in chowdeshwari ward no-02 of yelahanka Sub division

(21)

Detailed Measurements								
Measurement Recorded On: 27/10/2023								
Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
roviding and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 m M.S. gusset plates at the junctions and corners, all necessary fittings complete, including ıplying a priming coat of approved steel primer. Using M.S. angels 40x40x6 mm for agonal braces including cost of materials, labour, usage charges of machinery complete as								
ıgenahalli School				kg/m				
:ad room door	1	1.05		2.70	2.84			
				Present Qty	**2.84**	**Sqm**	**4026.00**	**11413.71**

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Engineer

Assistant Exec. Engineer

Name of Work:-Providing Additional works to Nagenahalli Govt School in chowdeshwari ward no-02 of yelahanka Sub division

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Detailed Measurements

Measurement Recorded On: 30/10/2023

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
24	Green board (8ftx4ft) with wooden beading. Complete as per the specifications and directions of the Engineer in charge.								
	Nagenahalli School								
		7				7.00			
					Present Qty	**7.00**	**Each**	**13440.00**	**94080.00**
							Sub Total		**3359784.24**
							GST 18%		**587826.76**
							Grand Total		**3947611.01**

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore
02/12/2023.

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Assistant Engineer

Assistant Exec. Engineer